

WACKER SILTRONIC CORPORATION  
PORTLAND, OREGON

**Wacker Siltronic Corporation (WSC) of Portland, Oregon** produces silicon wafers for the global semiconductor industry. The facility has been repeatedly recognized for its environmental achievements, including receiving EPA's Evergreen Award in 1996 and Portland's Best Business Award in 1997. The facility is a member of The Natural Step and is certified to ISO 14001. In 1999, WSC initiated a silicon carbide slurry recycling system that resulted in 90 percent resource recovery, eliminated 36 tons of solvent air emissions, and reduced water use by 37 million gallons per year.

**AT A GLANCE**

Industry Sector:	Computers and Electronics
Business:	Manufactures silicon wafers
Facility Employees:	More than 1,000
Accomplishments:	Reduced solid waste Reduced material use
2003 Commitments:	Reduce solid waste Enhance natural habitat Reduce air emissions Reduce material use
Address:	7200 NW Front Avenue Portland, OR 97210-3676
Web Site:	<a href="http://www.wacker-siltronic.com">www.wacker-siltronic.com</a>

## ENVIRONMENTAL PERFORMANCE

### *Past Accomplishments*

WSC has demonstrated its commitment to environmental performance in the areas of solid waste and material use. Since 1998, the facility has:

- **Reduced solid waste** by 11% through increasing recycling efforts and focusing projects to reduce consumables.
- **Reduced material use** by recovering 90% silicon carbide waste and re-using it in the wafer production process. This was achieved through a Design for the Environment partnership that developed a silicon carbide slurry recycling system.

### *Future Commitments*

WSC also committed to continued environmental improvement through further reducing solid waste, air emissions, and material use as well as improving the natural habitat. By 2003, the facility will:

- **Reduce solid waste** by 20% per wafer produced through increasing awareness of recycling programs and projects designed to reduce consumables.
- **Enhance natural habitat** through funding and maintaining a 1.3-acre riparian restoration project at Portland's Children's Arboretum.
- **Reduce air emissions of volatile organic compounds (VOCs)** by 20% from the polishing process by reducing consumption of VOC-based wax.
- **Reduce material use** by doubling the quantity of SiC recovered through the slurry recycling system.

## COMMUNITY OUTREACH

WSC conducts facility tours to interested members of the community and participates in a number of local environmental programs to keep abreast of community concerns. The company ensures that each employee is aware of the company's environmental policy and encourages them to get involved to help reduce environmental impacts. The human resources director directs community concerns to the appropriate person, who then responds to the inquiry. WSC will make its Performance Track Annual Performance Report available via its Web site.